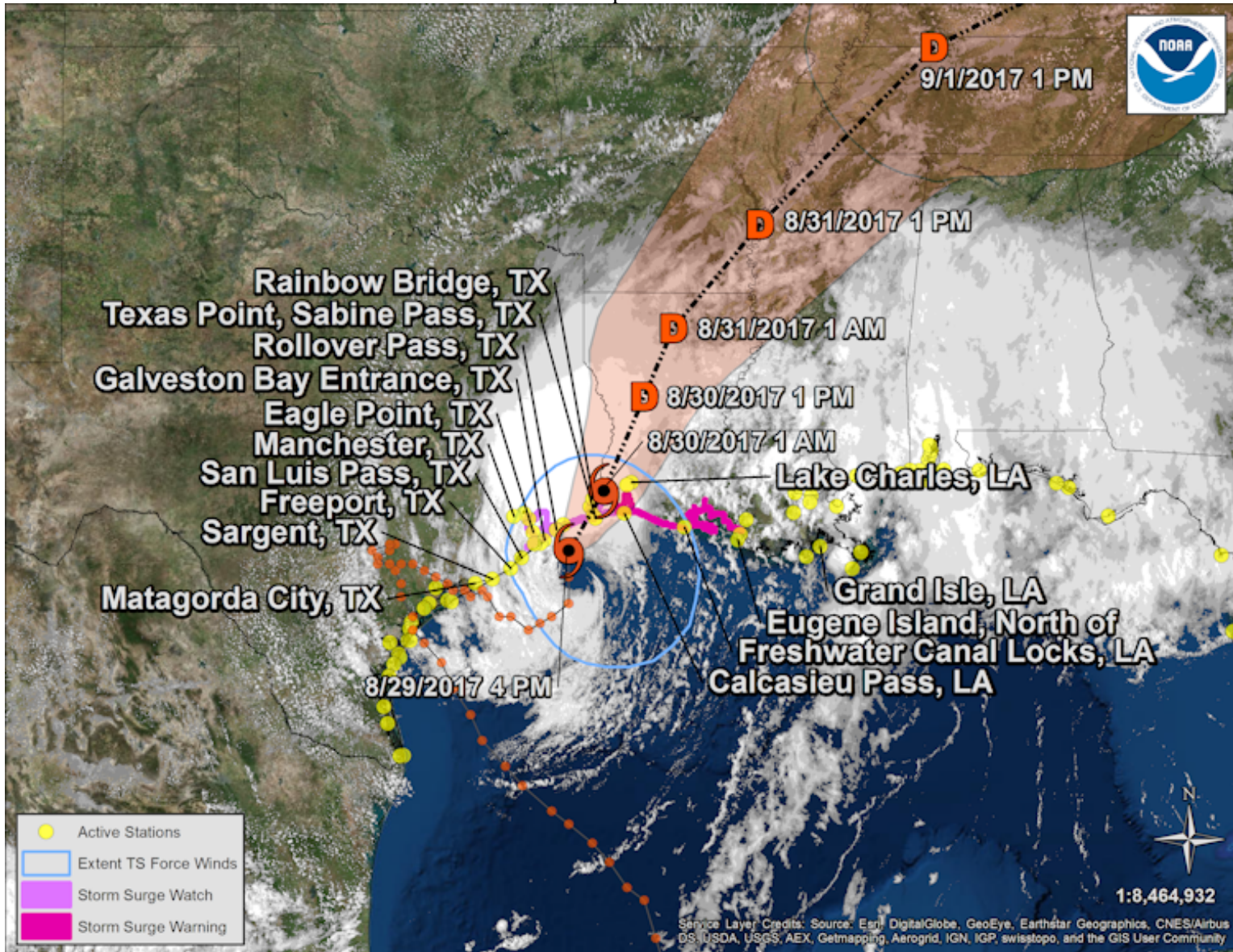




# Tropical Storm HARVEY QuickLook Posted: 17:00 CDT 08/29/2017

NOAA and NOAA Partnership Stations Relative to the Storm



## Storm Analysis

As of 8/29/2017 1700 CDT, water levels along the immediate Gulf coast from Matagorda City, TX to Grand Isle, LA remain elevated and generally range between 1 and 3 feet above normal tide levels. Water levels within upper Galveston Bay remain extremely high, with water levels at Manchester, TX measuring 9 to 10 feet above normal tide levels, with the majority of the water level elevation likely due to runoff.



Winds are strongest near the entrance to Galveston Bay with wind speeds between 30 and 40 knots and gusts of up to 50 knots being observed. Southwest of Galveston to Matagorda City, TX and eastward to Grand Isle, LA, wind speeds generally range from 15 to 30 knots with slightly higher gusts.

Water levels in bays and associated waterways may include impacts from hydrological forces, including rainfall runoff. For additional hydrological information see the [NWS Advanced Hydrologic Prediction Services](#) or your local [National Weather Service Forecast Office](#).

Water Level and Meteorological plots available below are updated automatically. A line denoting [Mean Higher High Water](#) (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: PFF

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SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

Tropical Storm Harvey Advisory Number 38  
NWS National Hurricane Center Miami FL AL092017  
400 PM CDT Tue Aug 29 2017

...HARVEY CRAWLING TOWARD THE COAST DUMPING CATASTROPHIC RAINS OVER  
SOUTHEASTERN TEXAS AND SOUTHWESTERN LOUISIANA...

SUMMARY OF 400 PM CDT...2100 UTC...INFORMATION

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LOCATION...29.2N 94.3W  
ABOUT 55 MI...85 KM SSW OF PORT ARTHUR TEXAS  
ABOUT 75 MI...115 KM SW OF CAMERON LOUISIANA  
MAXIMUM SUSTAINED WINDS...50 MPH...85 KM/H  
PRESENT MOVEMENT...NNE OR 30 DEGREES AT 6 MPH...9 KM/H  
MINIMUM CENTRAL PRESSURE...994 MB...29.36 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

A Storm Surge Warning has been issued from Holly Beach to Morgan City Louisiana.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

\* Holly Beach to Morgan City

A Storm Surge Watch is in effect for...

\* Port Bolivar to west of Holly Beach



A Tropical Storm Warning is in effect for...

\* North of Port O'Connor to Morgan City Louisiana

A Tropical Storm Watch is in effect for...

\* East of Morgan City to Grand Isle

Catastrophic and life-threatening flooding continues in southeastern Texas and portions of southwestern Louisiana. Please see warnings and other products issued by your local National Weather Service office for additional information on this life-threatening situation.

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline, during the next 12 to 24 hours in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at [hurricanes.gov](http://hurricanes.gov). This is a life-threatening situation. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

#### DISCUSSION AND 48-HOUR OUTLOOK

At 400 PM CDT (2100 UTC), the center of Tropical Storm Harvey was estimated from data from an Air Force reconnaissance plane near latitude 29.2 North, longitude 94.3 West. Harvey is moving toward the north-northeast near 6 mph (9 km/h), and this general motion is expected to continue tonight and tomorrow. On the forecast track, the broad circulation center of Harvey is expected to move inland over the northwestern Gulf Coast within the tropical storm warning area by early Wednesday.

Maximum sustained winds are near 50 mph (85 km/h) with higher gusts. No significant change in strength is anticipated before the center crosses the coast, but gradual weakening should begin thereafter.

Tropical-storm-force winds extend outward up to 160 miles (260 km) from the center. Galveston recently reported a sustained wind of 39 mph and a gust to 54 mph.

The minimum central pressure reported by an Air Force reconnaissance plane was 994 mb (29.36 inches).

#### HAZARDS AFFECTING LAND

**RAINFALL:** Harvey is expected to produce additional rainfall accumulations of 6 to 12 inches to the north and east of Houston from far east Texas into southwestern Louisiana. Isolated storm totals will reach 50 inches over the upper Texas coast, including the Houston/Galveston metropolitan area. These rains are currently producing catastrophic and life-threatening flooding over large portions of southeastern Texas and southwestern Louisiana. **DO NOT ATTEMPT TO TRAVEL IN THE AFFECTED AREA IF YOU ARE IN A SAFE PLACE. DO NOT DRIVE INTO FLOODED ROADWAYS.** Please see warnings and products issued by your local National Weather Service office for additional information on this life-threatening situation.

Elsewhere, Harvey is expected to produce total rainfall amounts of 5 to 10 inches across portions of southern Louisiana into coastal Mississippi and Alabama. Rainfall associated with Harvey will spread north by mid to late week, with rainfall amounts of 4 to 8 inches spreading into portions of Arkansas and the Tennessee Valley.



A preliminary report from a rain gauge has broken the Texas tropical cyclone rainfall record. The Cedar Bayou gauge, east of Highlands, Texas, has reported 51.88 inches of rain as of 3 PM CDT. This total is higher than the previous record of 48 inches set during tropical cyclone Amelia of 1978 at Medina, Texas.

A list of rainfall observations compiled by the NOAA Weather Prediction Center can be found at:  
[www.wpc.ncep.noaa.gov/discussions/nfdsccl.html](http://www.wpc.ncep.noaa.gov/discussions/nfdsccl.html)

**STORM SURGE:** The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach the following heights above ground if the peak surge occurs at the time of high tide...

Holly Beach to Morgan City...2 to 4 ft

San Luis Pass to west of Holly Beach including Galveston Bay...1 to 3 ft

The deepest water will occur along the immediate coast near the area of onshore winds. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

**WIND:** Tropical storm conditions are occurring over portions of the warning area along the coast and are likely to persist during the next day or so. Tropical storms conditions are possible within the watch area within the next 24 hours.

**SURF:** Swells generated by Harvey are still affecting the coasts of Texas and Louisiana. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

**TORNADOES:** A few tornadoes are possible today from extreme southeast Texas across parts of southern Louisiana, coastal Mississippi and coastal Alabama.

#### NEXT ADVISORY

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Next intermediate advisory at 700 PM CDT.

Next complete advisory at 1000 PM CDT.

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Forecaster Avila

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

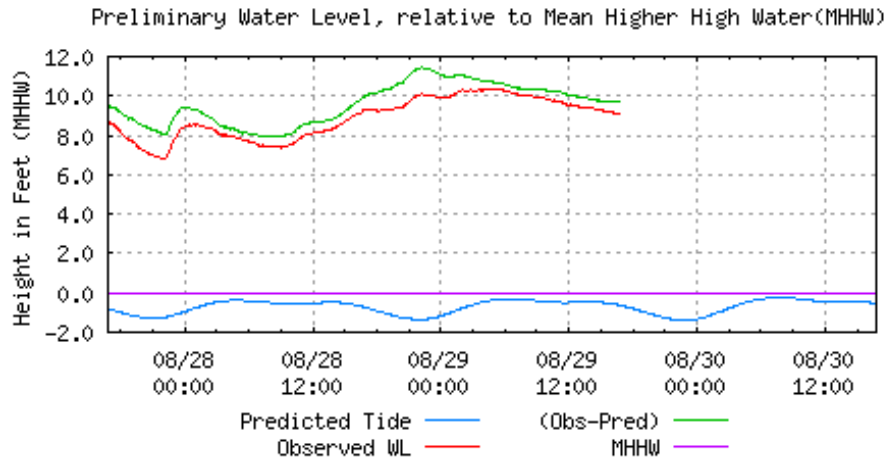
Jump to: [Manchester - Water Level](#), [Manchester - Winds](#), [Manchester - Barometric](#), [Eagle Point - Water Level](#), [Eagle Point - Winds](#), [Galveston Bay Entrance, North Jetty - Water Level](#), [Galveston Bay Entrance, North Jetty - Winds](#), [Rollover Pass - Water Level](#), [Rollover Pass - Winds](#), [Rainbow Bridge - Water Level](#), [Texas Point, Sabine Pass - Water Level](#), [Texas Point, Sabine Pass - Winds](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Lake Charles - Water Level](#), [Lake Charles - Barometric](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Freshwater Canal Locks - Barometric](#), [Eugene Island, North of , Gulf of Mexico - Water Level](#), [Eugene Island, North of , Gulf of Mexico - Winds](#), [Eugene Island, North of , Gulf of Mexico - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [San Luis Pass - Water Level](#), [San Luis Pass - Winds](#), [Freeport - Water Level](#),



Freeport - Winds, Sargent - Water Level, Sargent - Winds, Matagorda City - Water Level, Matagorda City - Winds,  
Matagorda City - Barometric



NOAA/NOS/CO-OPS 8770777 Manchester, TX



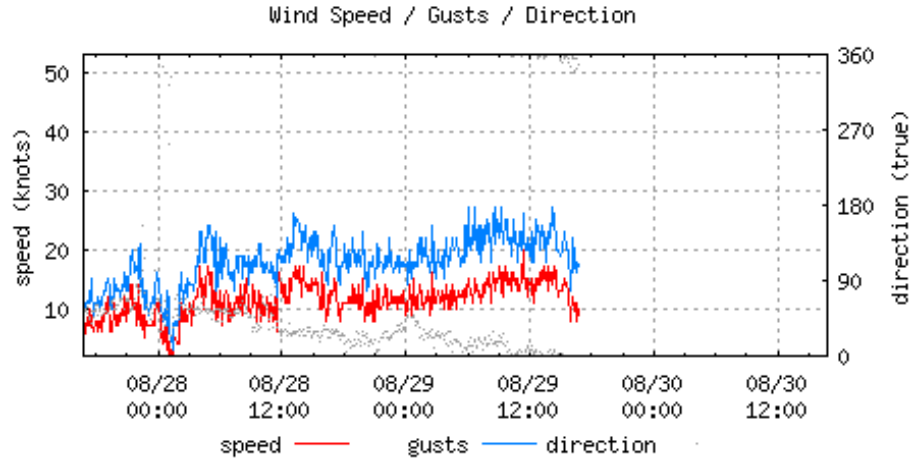
Last Observed Sample: 08/29/2017 16:42 (CDT). Data relative to MHHW

Observed: 9.06 ft. Predicted: -0.61 ft. Residual: 9.67 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 07:45 (CDT), -0.25 ft.

NOAA/NOS/CO-OPS 8770777 Manchester, TX

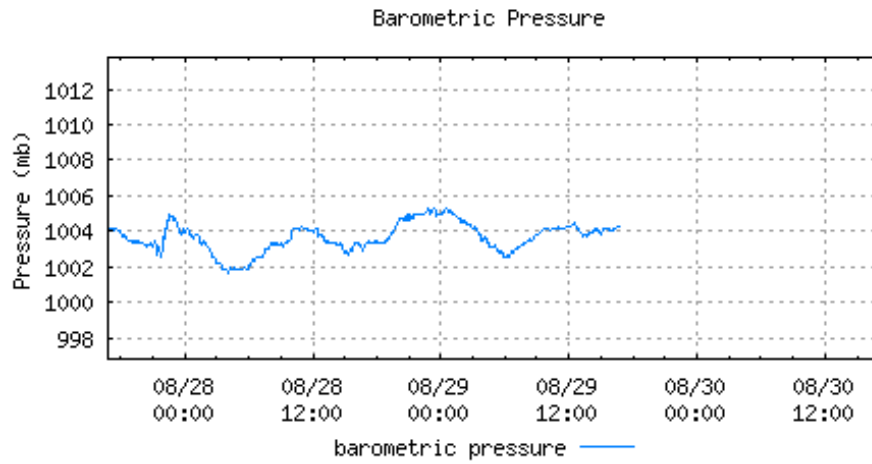


Last Observed Sample: 08/29/2017 16:42 (CDT)

Wind Speed: 9 knots Gusts: 17 knots Direction: 349° T



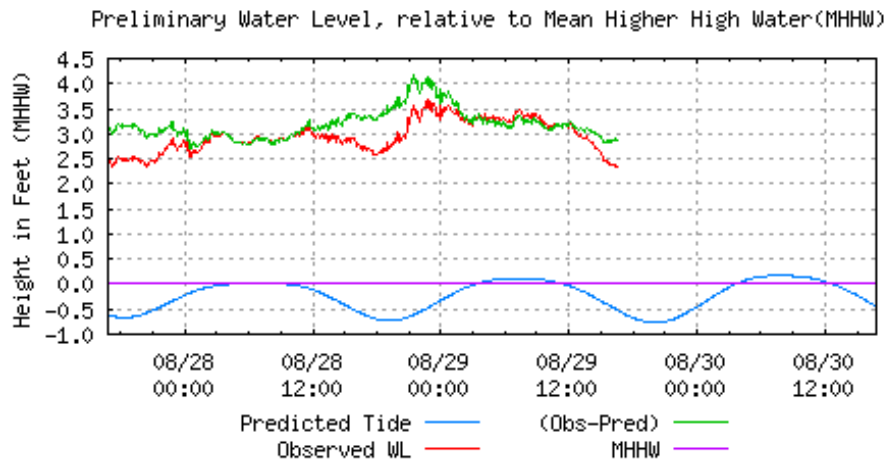
NOAA/NOS/CO-OPS 8770777 Manchester, TX



Last Observed Sample: 08/29/2017 16:42 (CDT)

Barometric Pressure: 1004.3 mb

NOAA/NOS/CO-OPS 8771013 Eagle Point, TX



Last Observed Sample: 08/29/2017 16:42 (CDT). Data relative to MHHW

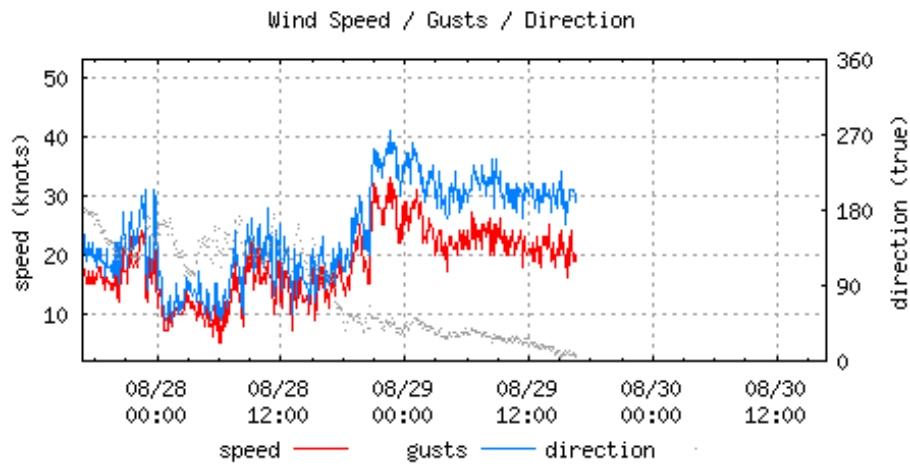
Observed: 2.26 ft. Predicted: -0.54 ft. Residual: 2.80 ft.

Historical Maximum Water Level: Sep 13 2008, 10.76 ft.

Next High Tide: 08/30/2017 07:43 (CDT), 0.18 ft.



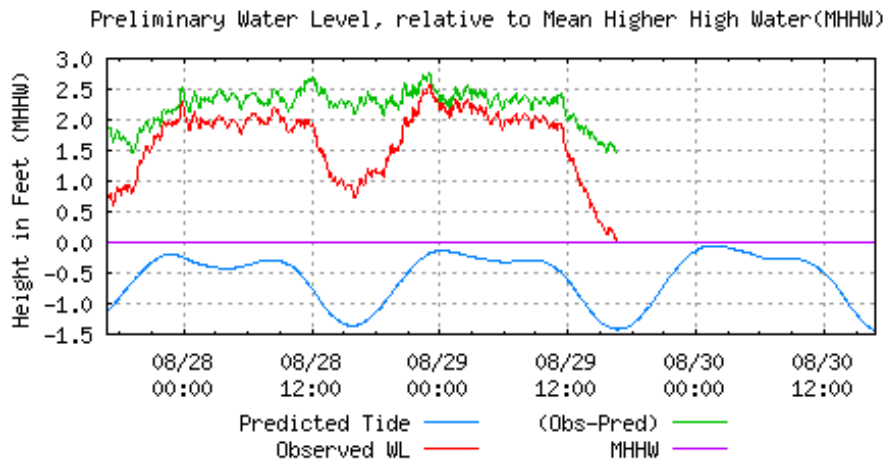
NOAA/NOS/CO-OPS 8771013 Eagle Point, TX



Last Observed Sample: 08/29/2017 16:42 (CDT)

Wind Speed: 18 knots Gusts: 31 knots Direction: 4° T

NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



Last Observed Sample: 08/29/2017 16:42 (CDT). Data relative to MHHW

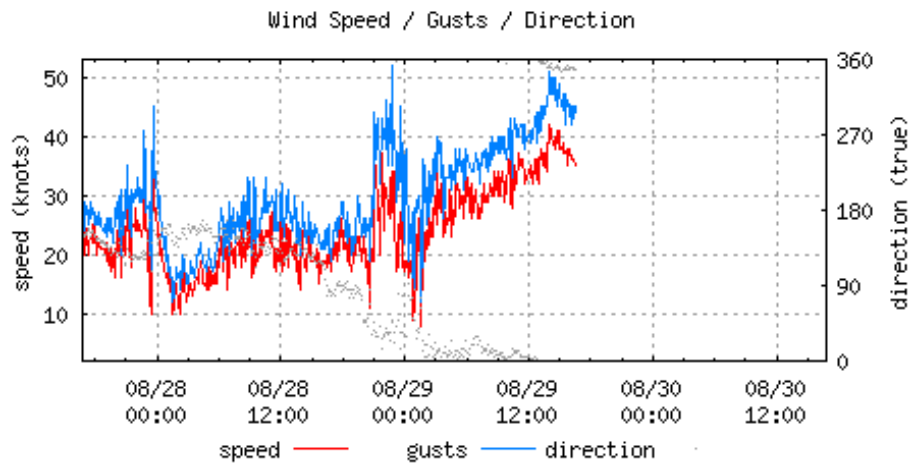
Observed: 0.05 ft. Predicted: -1.42 ft. Residual: 1.47 ft.

Historical Maximum Water Level: Jul 15 2003, 4.08 ft.

Next High Tide: 08/30/2017 01:35 (CDT), -0.06 ft.



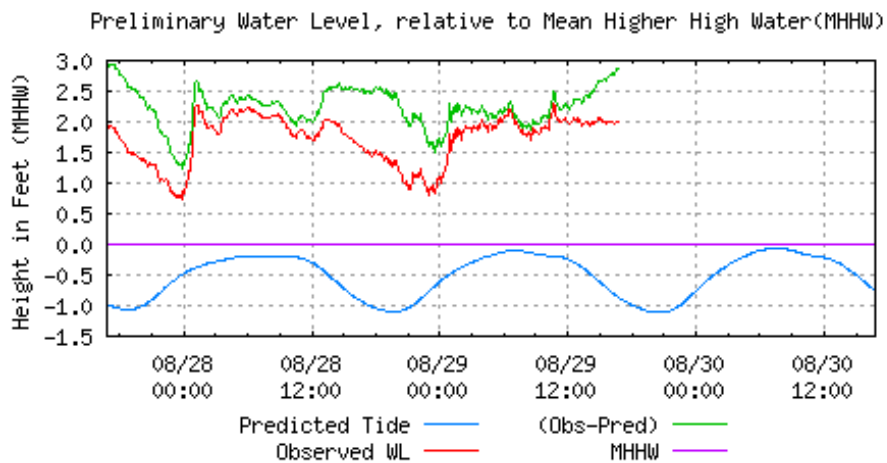
NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



Last Observed Sample: 08/29/2017 16:42 (CDT)

Wind Speed: 35 knots Gusts: 41 knots Direction: 353° T

NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



Last Observed Sample: 08/29/2017 16:42 (CDT). Data relative to MHHW

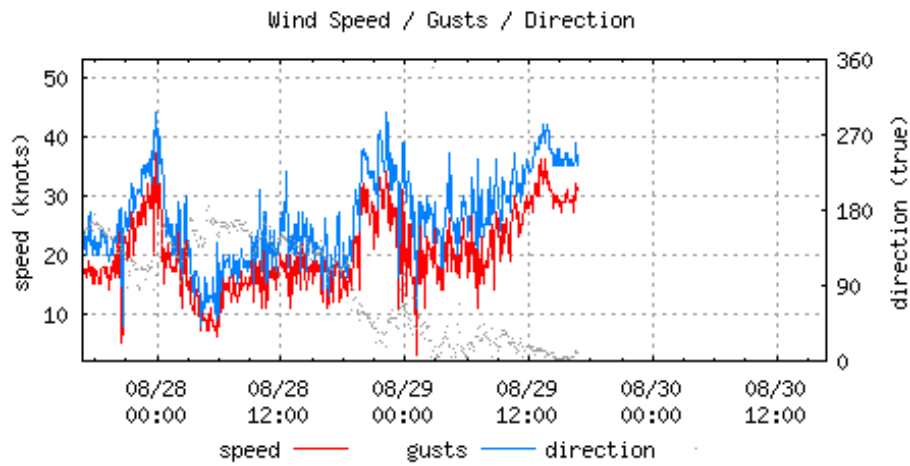
Observed: 2.00 ft. Predicted: -0.86 ft. Residual: 2.86 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 07:31 (CDT), -0.06 ft.



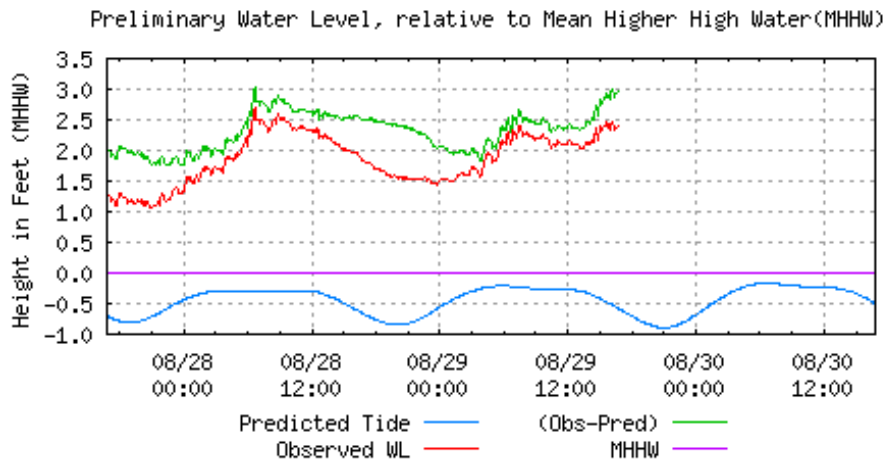
NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



Last Observed Sample: 08/29/2017 16:42 (CDT)

Wind Speed: 31 knots Gusts: 35 knots Direction: 10° T

NOAA/NOS/CO-OPS 8770520 Rainbow Bridge, TX



Last Observed Sample: 08/29/2017 16:48 (CDT). Data relative to MHHW

Observed: 2.38 ft. Predicted: -0.59 ft. Residual: 2.97 ft.

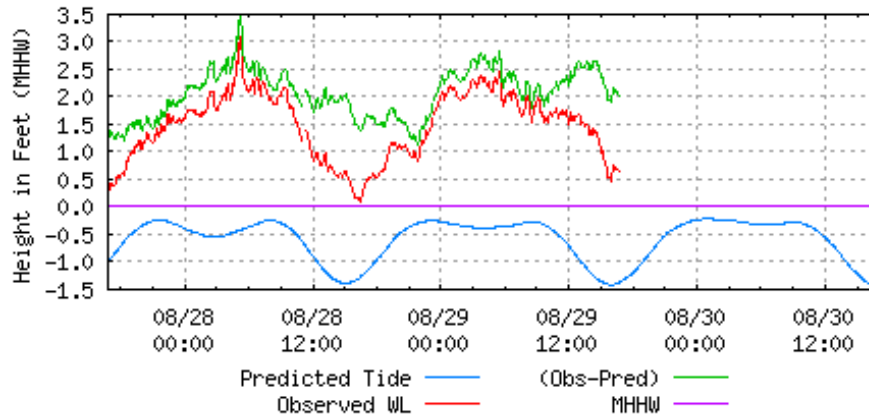
Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 06:39 (CDT), -0.17 ft.



NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/29/2017 16:48 (CDT). Data relative to MHHW

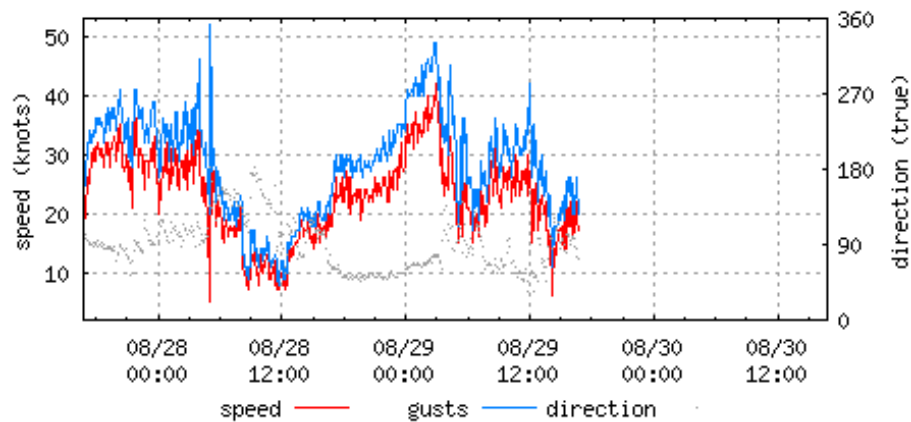
Observed: 0.53 ft. Predicted: -1.37 ft. Residual: 1.90 ft.

Historical Maximum Water Level: Mar 20 2012, 1.91 ft.

Next High Tide: 08/30/2017 00:57 (CDT), -0.22 ft.

NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX

Wind Speed / Gusts / Direction

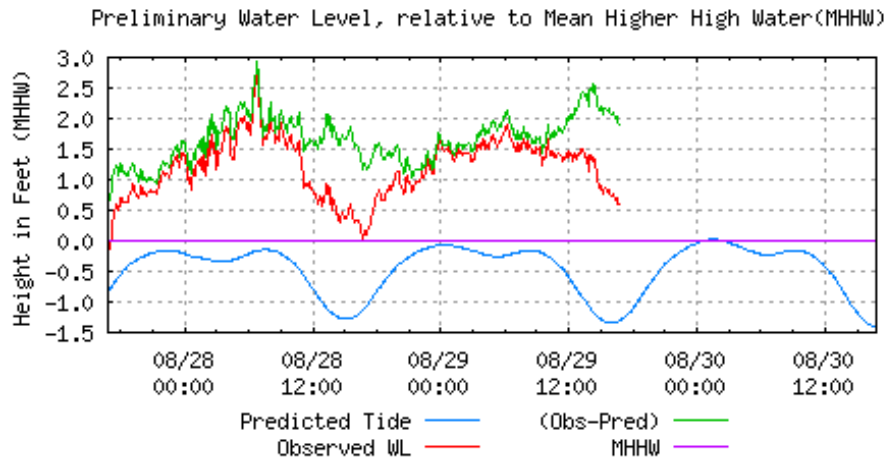


Last Observed Sample: 08/29/2017 16:48 (CDT)

Wind Speed: 15 knots Gusts: 17 knots Direction: 71° T



NOAA/NOS/CO-OPS 8768094 Calcasieu Pass, LA



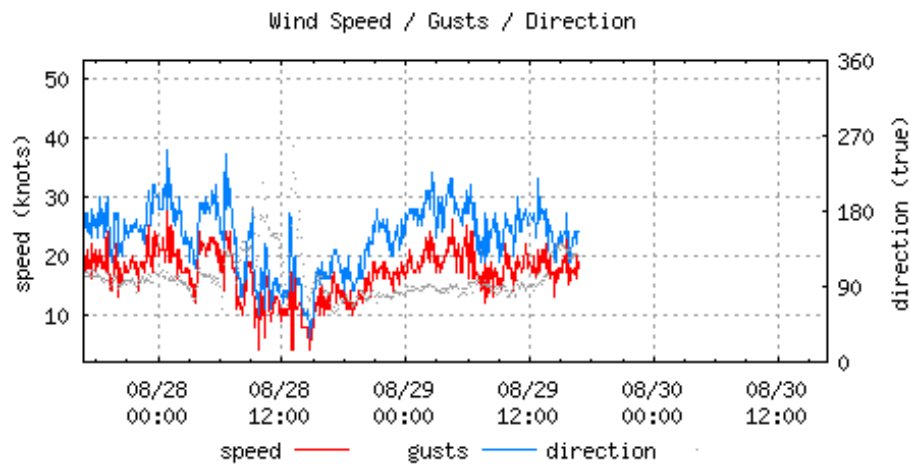
Last Observed Sample: 08/29/2017 16:42 (CDT). Data relative to MHHW

Observed: 0.60 ft. Predicted: -1.31 ft. Residual: 1.91 ft.

Historical Maximum Water Level: Sep 13 2008, 9.96 ft.

Next High Tide: 08/30/2017 01:28 (CDT), 0.02 ft.

NOAA/NOS/CO-OPS 8768094 Calcasieu Pass, LA



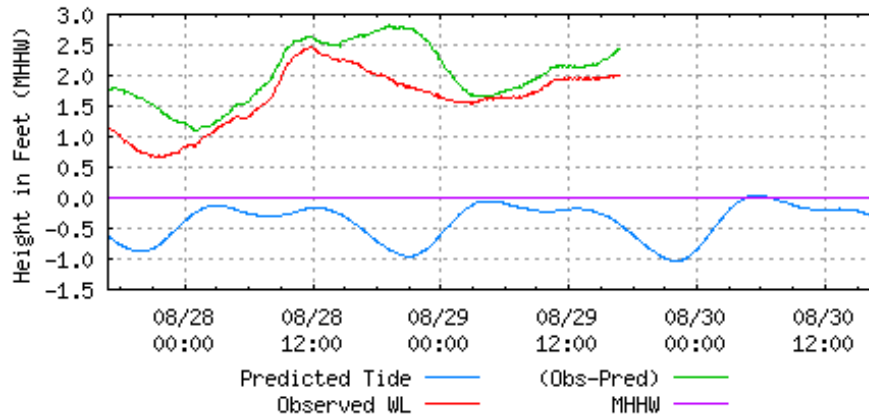
Last Observed Sample: 08/29/2017 16:42 (CDT)

Wind Speed: 18 knots Gusts: 24 knots Direction: 126° T



NOAA/NOS/CO-OPS 8767816 Lake Charles, LA

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/29/2017 16:42 (CDT). Data relative to MHHW

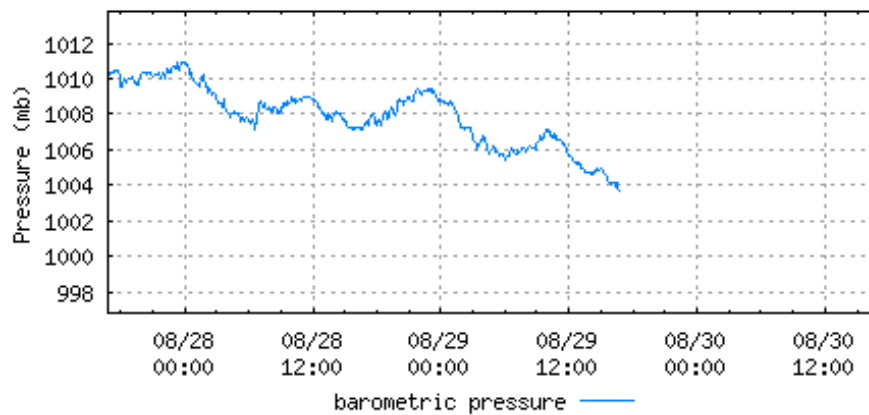
Observed: 2.00 ft. Predicted: -0.42 ft. Residual: 2.42 ft.

Historical Maximum Water Level: Oct 16 2006, 2.19 ft.

Next High Tide: 08/30/2017 05:33 (CDT), 0.04 ft.

NOAA/NOS/CO-OPS 8767816 Lake Charles, LA

Barometric Pressure



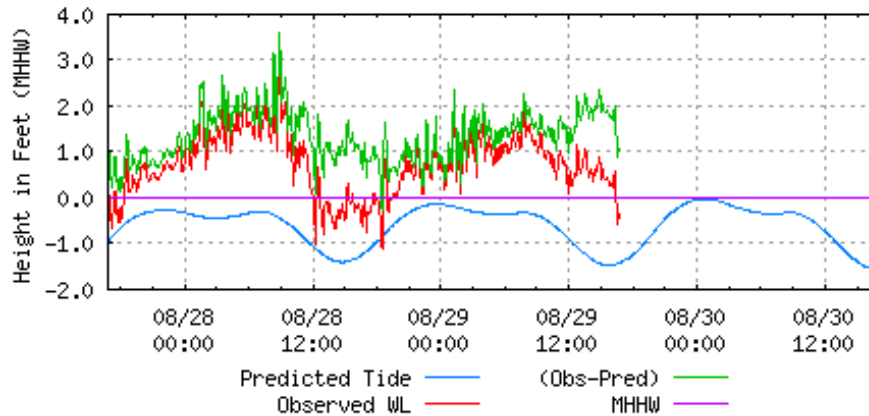
Last Observed Sample: 08/29/2017 16:42 (CDT)

Barometric Pressure: 1003.7 mb



NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/29/2017 16:48 (CDT). Data relative to MHHW

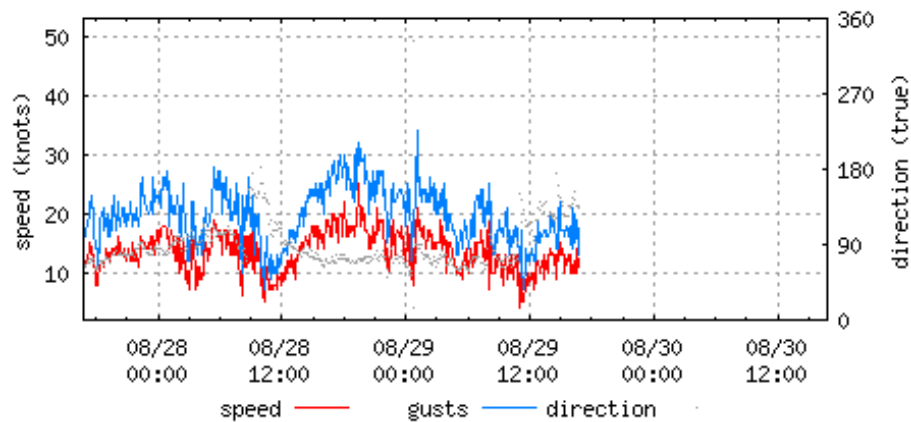
Observed: -0.34 ft. Predicted: -1.42 ft. Residual: 1.08 ft.

Historical Maximum Water Level: Sep 12 2008, 7.98 ft.

Next High Tide: 08/30/2017 00:42 (CDT), -0.03 ft.

NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA

Wind Speed / Gusts / Direction

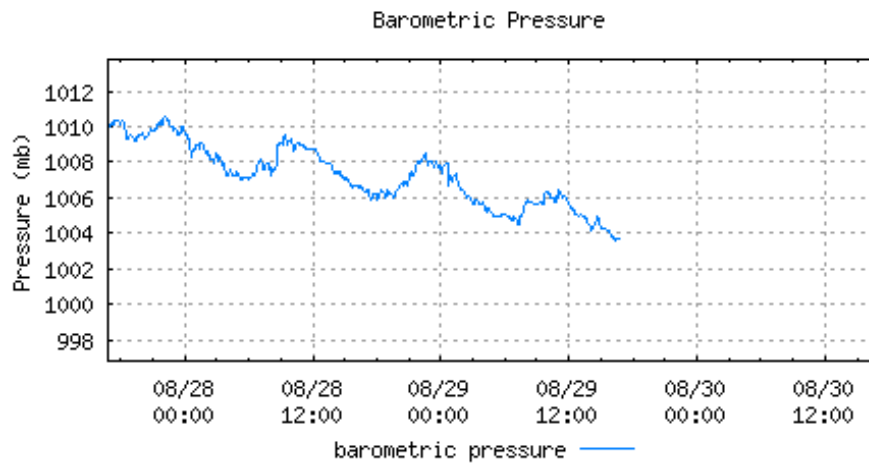


Last Observed Sample: 08/29/2017 16:48 (CDT)

Wind Speed: 11 knots Gusts: 13 knots Direction: 135° T



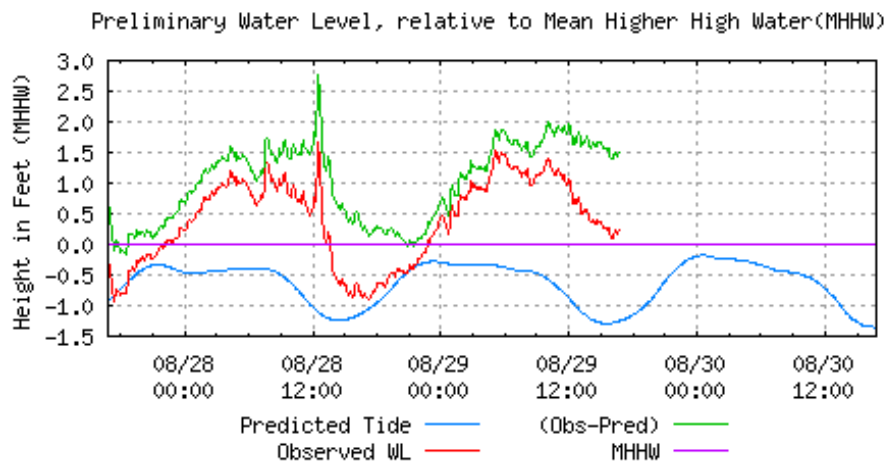
NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA



Last Observed Sample: 08/29/2017 16:48 (CDT)

Barometric Pressure: 1003.7 mb

NOAA/NOS/CO-OPS 8764314 Eugene Island, North of , Gulf of Mexico, LA



Last Observed Sample: 08/29/2017 16:42 (CDT). Data relative to MHHW

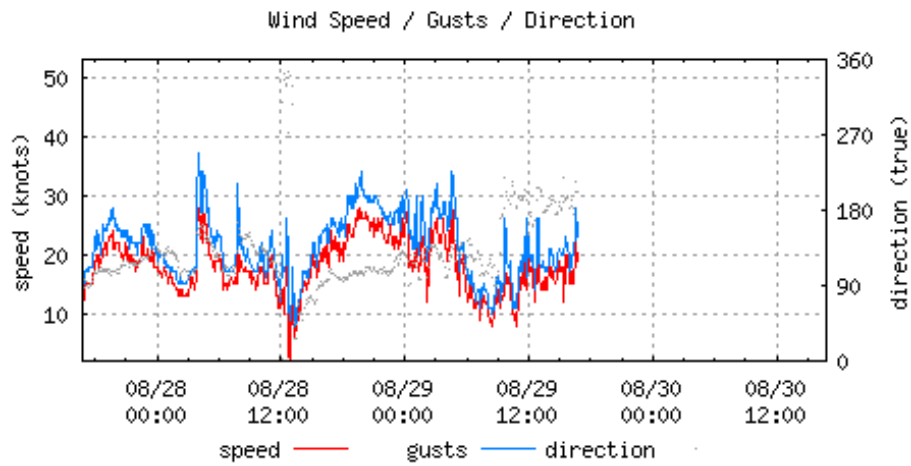
Observed: 0.24 ft. Predicted: -1.26 ft. Residual: 1.50 ft.

Historical Maximum Water Level: Oct 25 2015, 2.74 ft.

Next High Tide: 08/30/2017 00:31 (CDT), -0.18 ft.



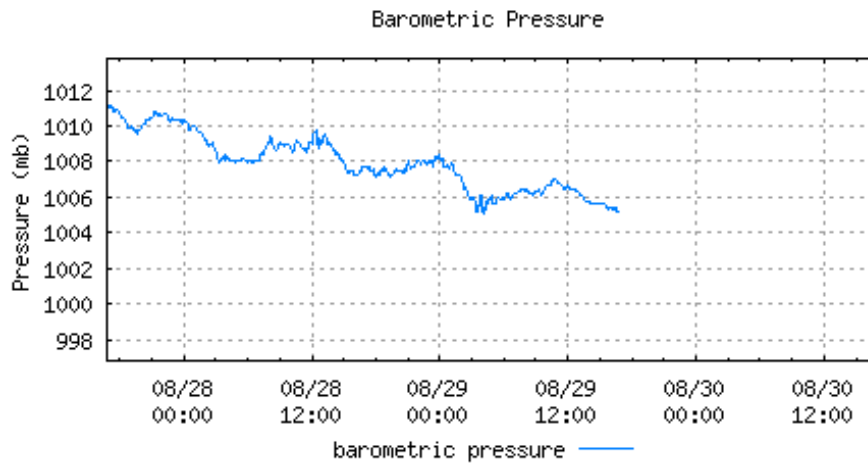
NOAA/NOS/CO-OPS 8764314 Eugene Island, North of , Gulf of Mexico, LA



Last Observed Sample: 08/29/2017 16:42 (CDT)

Wind Speed: 19 knots Gusts: 23 knots Direction: 203° T

NOAA/NOS/CO-OPS 8764314 Eugene Island, North of , Gulf of Mexico, LA



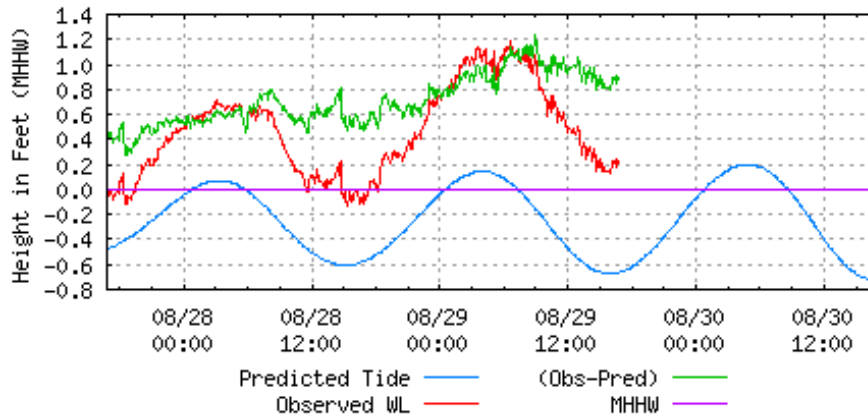
Last Observed Sample: 08/29/2017 16:42 (CDT)

Barometric Pressure: 1005.2 mb



NOAA/NOS/CO-OPS 8761724 Grand Isle, LA

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/29/2017 16:48 (CDT). Data relative to MHHW

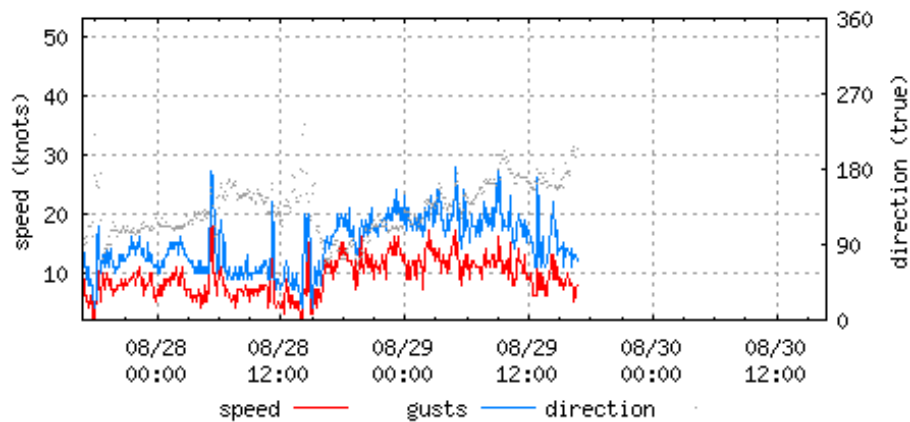
Observed: 0.19 ft. Predicted: -0.67 ft. Residual: 0.86 ft.

Historical Maximum Water Level: Aug 29 2012, 4.45 ft.

Next High Tide: 08/30/2017 04:50 (CDT), 0.20 ft.

NOAA/NOS/CO-OPS 8761724 Grand Isle, LA

Wind Speed / Gusts / Direction

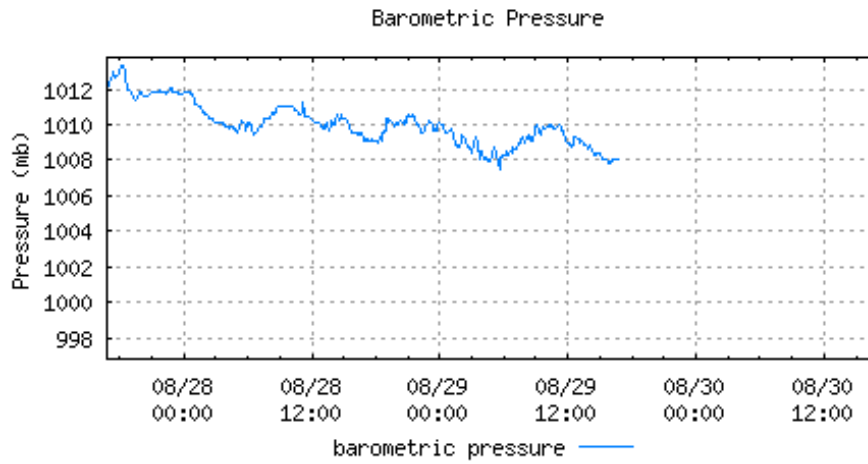


Last Observed Sample: 08/29/2017 16:48 (CDT)

Wind Speed: 13 knots Gusts: 18 knots Direction: 226° T



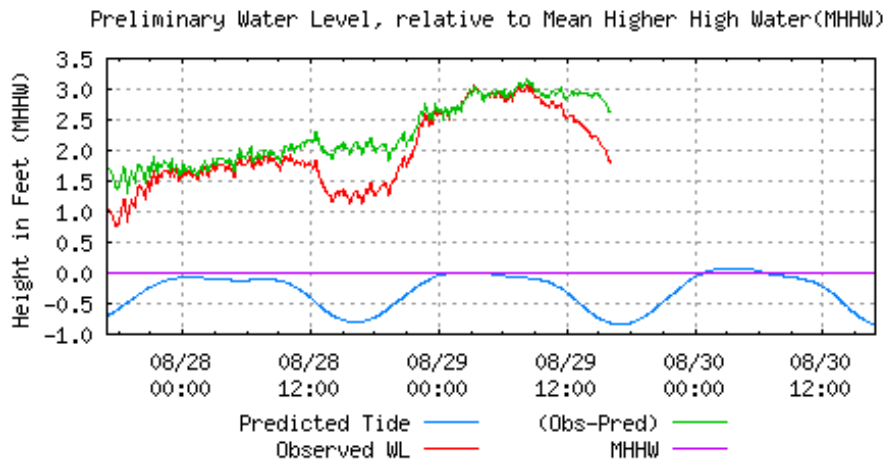
NOAA/NOS/CO-OPS 8761724 Grand Isle, LA



Last Observed Sample: 08/29/2017 16:48 (CDT)

Barometric Pressure: 1008.3 mb

NOAA/NOS/CO-OPS 8771972 San Luis Pass, TX



Last Observed Sample: 08/29/2017 16:48 (CDT). Data relative to MHHW

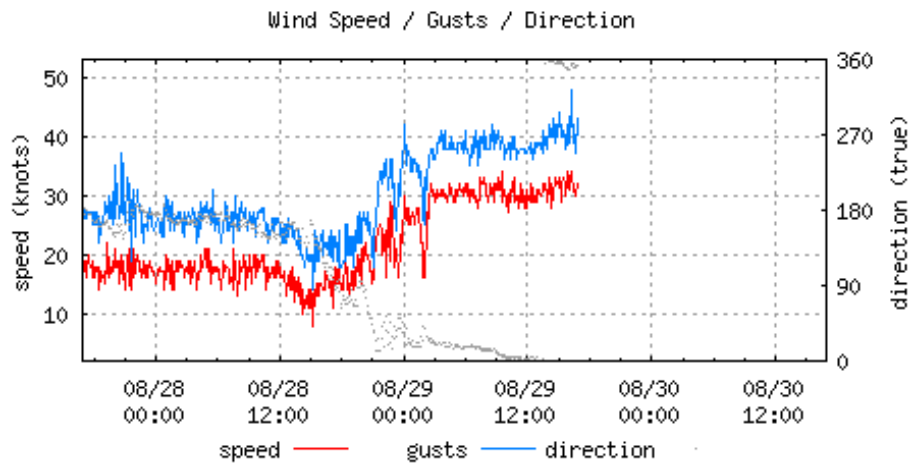
Observed: 1.81 ft. Predicted: -0.82 ft. Residual: 2.63 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 03:51 (CDT), 0.07 ft.



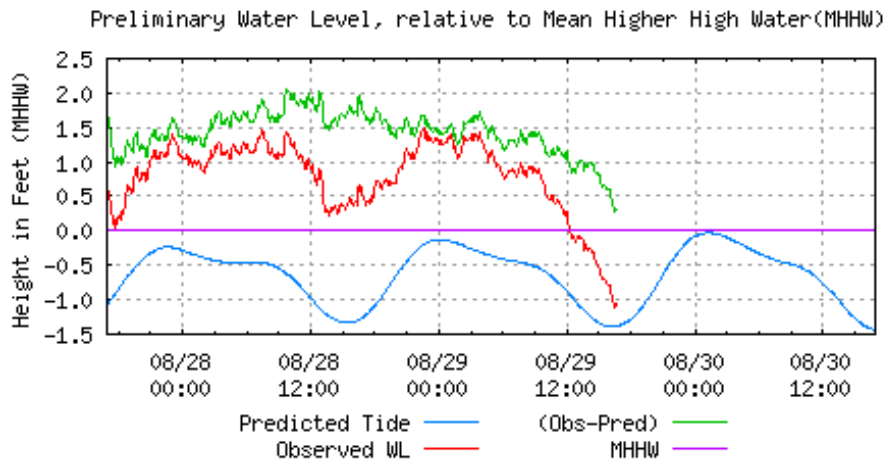
NOAA/NOS/CO-OPS 8771972 San Luis Pass, TX



Last Observed Sample: 08/29/2017 16:48 (CDT)

Wind Speed: 32 knots Gusts: 43 knots Direction: 353° T

NOAA/NOS/CO-OPS 8772447 Freeport, TX



Last Observed Sample: 08/29/2017 16:42 (CDT). Data relative to MHHW

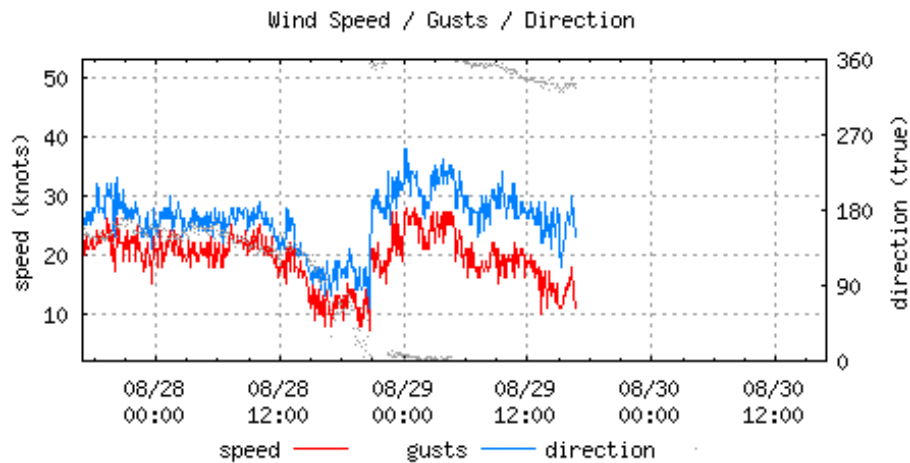
Observed: -1.06 ft. Predicted: -1.38 ft. Residual: 0.32 ft.

Historical Maximum Water Level: Sep 12 2008, 5.58 ft.

Next High Tide: 08/30/2017 01:17 (CDT), -0.03 ft.



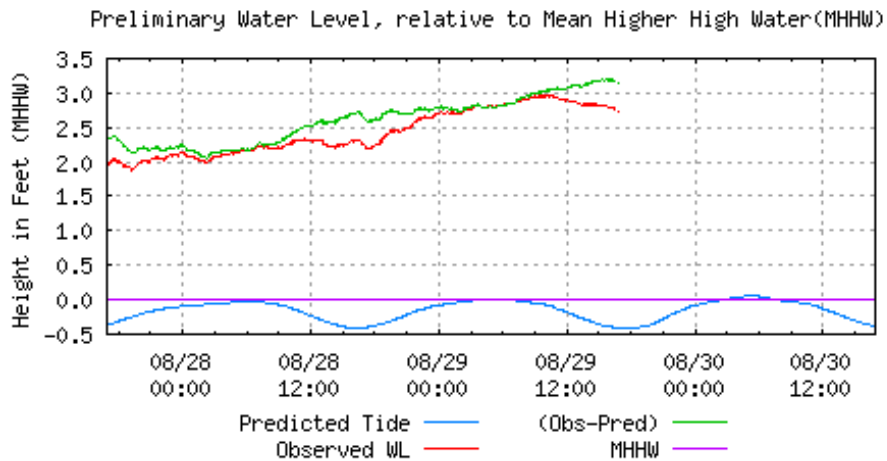
NOAA/NOS/CO-OPS 8772447 Freeport, TX



Last Observed Sample: 08/29/2017 16:42 (CDT)

Wind Speed: 12 knots Gusts: 24 knots Direction: 330° T

NOAA/NOS/CO-OPS 8772985 Sargent, TX



Last Observed Sample: 08/29/2017 16:48 (CDT). Data relative to MHHW

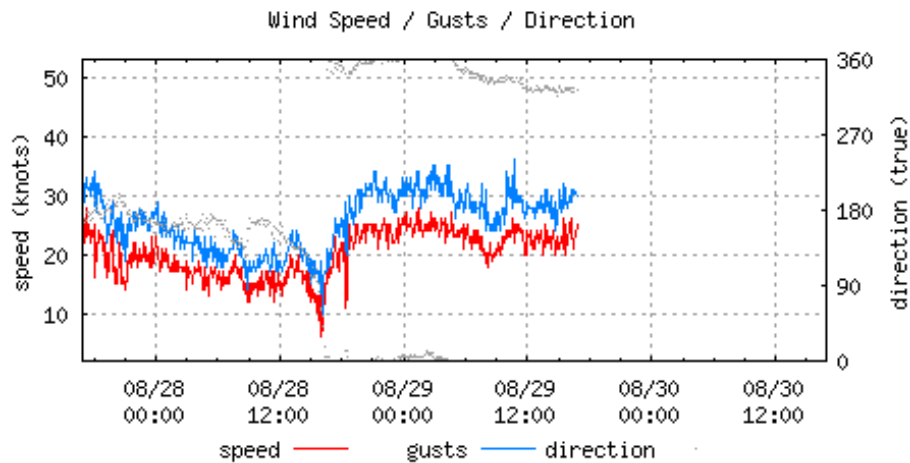
Observed: 2.74 ft. Predicted: -0.40 ft. Residual: 3.14 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 05:20 (CDT), 0.05 ft.



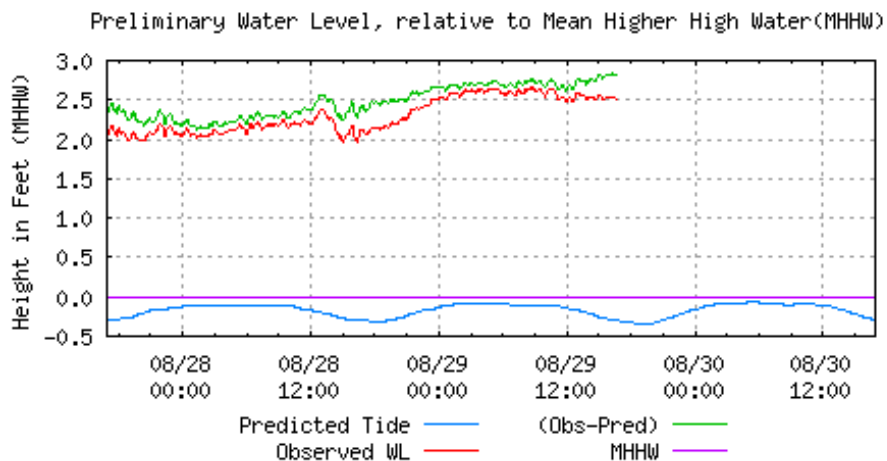
NOAA/NOS/CO-OPS 8772985 Sargent, TX



Last Observed Sample: 08/29/2017 16:48 (CDT)

Wind Speed: 25 knots Gusts: 30 knots Direction: 324° T

NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



Last Observed Sample: 08/29/2017 16:42 (CDT). Data relative to MHHW

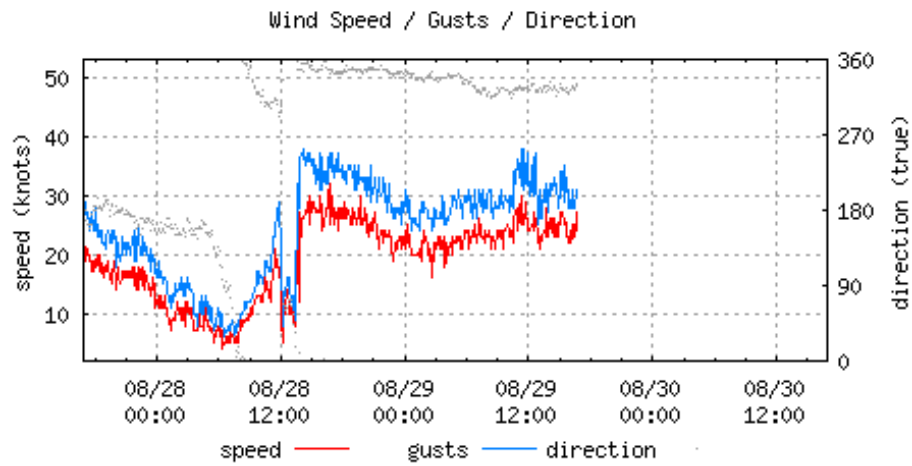
Observed: 2.52 ft. Predicted: -0.30 ft. Residual: 2.82 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 05:29 (CDT), -0.07 ft.



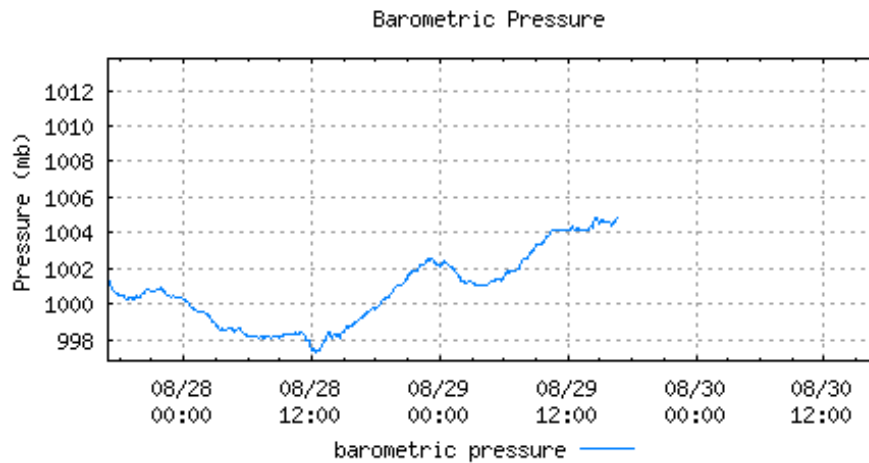
NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



Last Observed Sample: 08/29/2017 16:42 (CDT)

Wind Speed: 24 knots Gusts: 31 knots Direction: 331° T

NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



Last Observed Sample: 08/29/2017 16:42 (CDT)

Barometric Pressure: 1004.8 mb



Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8770777	Manchester, TX	08/29/2017 16:42 (CDT)	9.06 ft	-0.61 ft	9.67 ft	10.36 ft
8771013	Eagle Point, TX	08/29/2017 16:42 (CDT)	2.26 ft	-0.54 ft	2.80 ft	3.67 ft
8771341	Galveston Bay Entrance, North Jetty, TX	08/29/2017 16:42 (CDT)	0.05 ft	-1.42 ft	1.47 ft	2.58 ft
8770971	Rollover Pass, TX	08/29/2017 16:42 (CDT)	2.00 ft	-0.86 ft	2.86 ft	2.30 ft
8770520	Rainbow Bridge, TX	08/29/2017 16:48 (CDT)	2.38 ft	-0.59 ft	2.97 ft	2.47 ft
8770822	Texas Point, Sabine Pass, TX	08/29/2017 16:48 (CDT)	0.53 ft	-1.37 ft	1.90 ft	2.46 ft
8768094	Calcasieu Pass, LA	08/29/2017 16:42 (CDT)	0.60 ft	-1.31 ft	1.91 ft	1.89 ft
8767816	Lake Charles, LA	08/29/2017 16:42 (CDT)	2.00 ft	-0.42 ft	2.42 ft	2.12 ft
8766072	Freshwater Canal Locks, LA	08/29/2017 16:48 (CDT)	-0.34 ft	-1.42 ft	1.08 ft	2.17 ft
8764314	Eugene Island, North of , Gulf of Mexico, LA	08/29/2017 16:42 (CDT)	0.24 ft	-1.26 ft	1.50 ft	1.52 ft
8761724	Grand Isle, LA	08/29/2017 16:48 (CDT)	0.19 ft	-0.67 ft	0.86 ft	1.19 ft
8771972	San Luis Pass, TX	08/29/2017 16:48 (CDT)	1.81 ft	-0.82 ft	2.63 ft	3.08 ft
8772447	Freeport, TX	08/29/2017 16:42 (CDT)	-1.06 ft	-1.38 ft	0.32 ft	1.48 ft
8772985	Sargent, TX	08/29/2017 16:48 (CDT)	2.74 ft	-0.40 ft	3.14 ft	2.97 ft
8773146	Matagorda City, TX	08/29/2017 16:42 (CDT)	2.52 ft	-0.30 ft	2.82 ft	2.67 ft

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